

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number
WO 2004/043379 A3

(51) International Patent Classification⁷: C07D 401/00,
211/68, 211/80, 213/02

(GB). GOODMAN, Steven Neal [US/US]; 1250 South Collegeville Road, Collegeville, PA 19426 (US).

(21) International Application Number:
PCT/US2003/035588

(74) Agents: KELLERMAN, James, C. et al.; Smithkline Beecham Corporation, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O.Box 1539, King of Prussia, PA 19406-0939 (US).

(22) International Filing Date:
6 November 2003 (06.11.2003)

(81) Designated States (*national*): AE, AG, AL, AU, BA, BB, BR, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, EG, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, SC, SG, TN, TT, UA, US, UZ, VN, YU, ZA.

(30) Priority Data:
60/424,223 6 November 2002 (06.11.2002) US

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

Published:

(75) Inventors/Applicants (*for US only*): ADAMS, Jerry, Leroy [US/US]; 1250 South Collegeville Road, Collegeville PA 19426 (US). BRYAN, Deborah, L. [US/US]; 1250 South Collegeville Road, Collegeville PA 19426 (US). KASparec, Jiri [CZ/US]; 1250 South Collegeville Road, Collegeville, PA 19426 (US). KING, Francis, David [GB/GB]; New Frontiers Science Park, Third Avenue, Harlow Essex CM19 5 AW (GB). TAKLE, Andrew, Kenneth [GB/GB]; New Frontiers Science Park, Third Avenue, Harlow Essex CM19 5 AW (GB). WILSON, David Matthew [GB/GB]; New Frontiers Science park, Third Avenue, Harlow Essex CM19 5 AW

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the International search report:
25 November 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/043379 A3

(54) Title: CHEMICAL COMPOUNDS

(57) Abstract: Pyridinyl-benzoheterocycyl kinase inhibitor compounds are disclosed. Also disclosed are methods of making such compounds as well as methods of using the same in the treatment of diseases.